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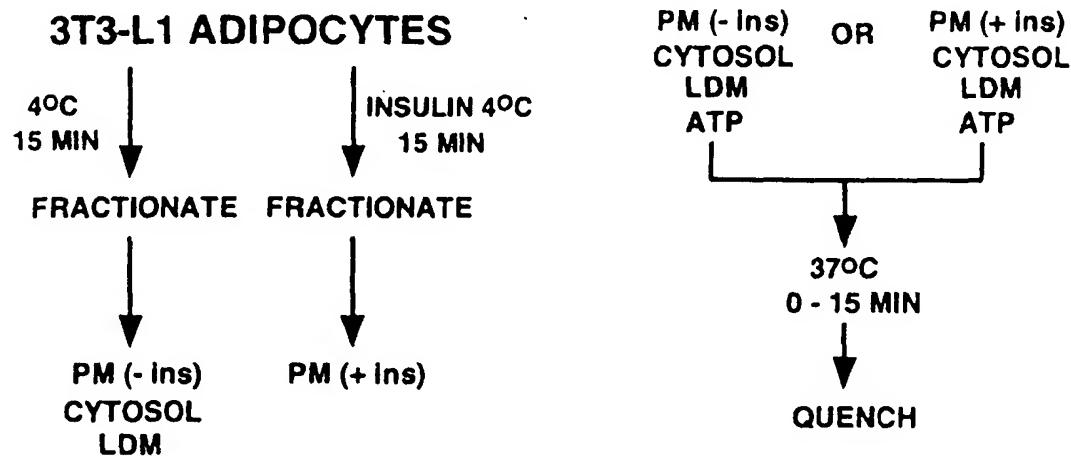
Title: CELL-FREE ASSAY FOR INSULIN SIGNALING.

Inventor(s): Mueckler et al.

Appln. No.: Express Mail #EL474179041US

Docket #: 56029-33289

A ISOLATION OF COMPONENTS IN VITRO REACTION



B

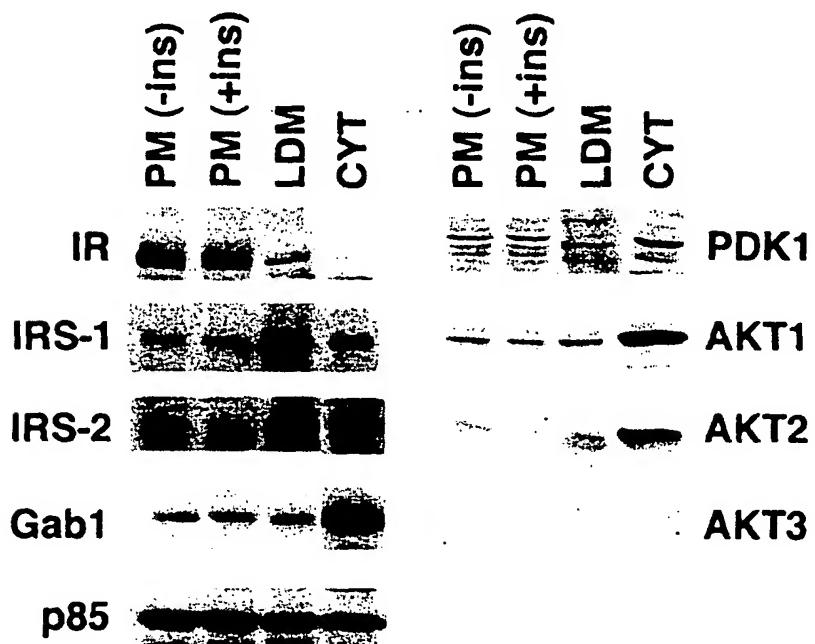


FIGURE 1

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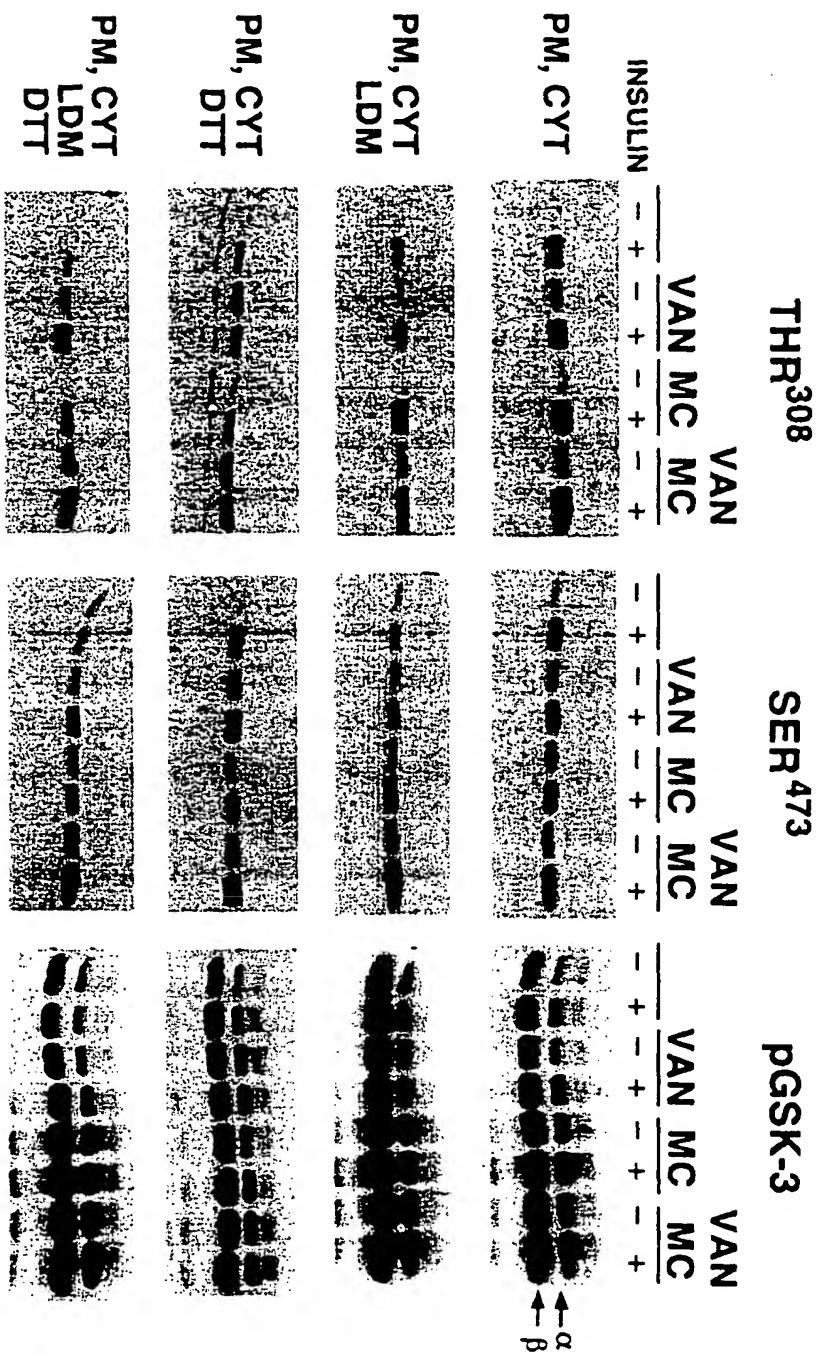


FIGURE 2

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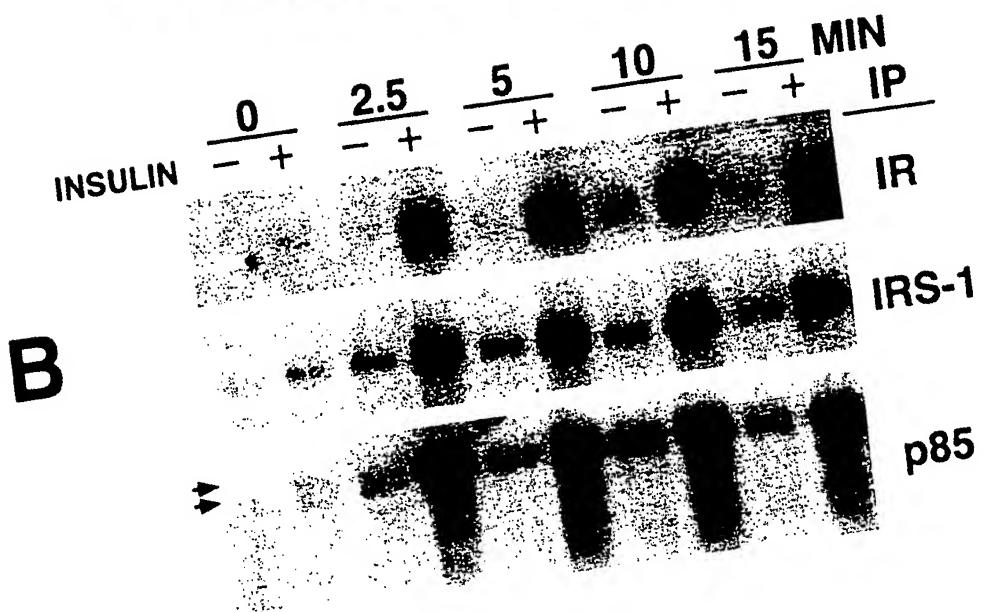
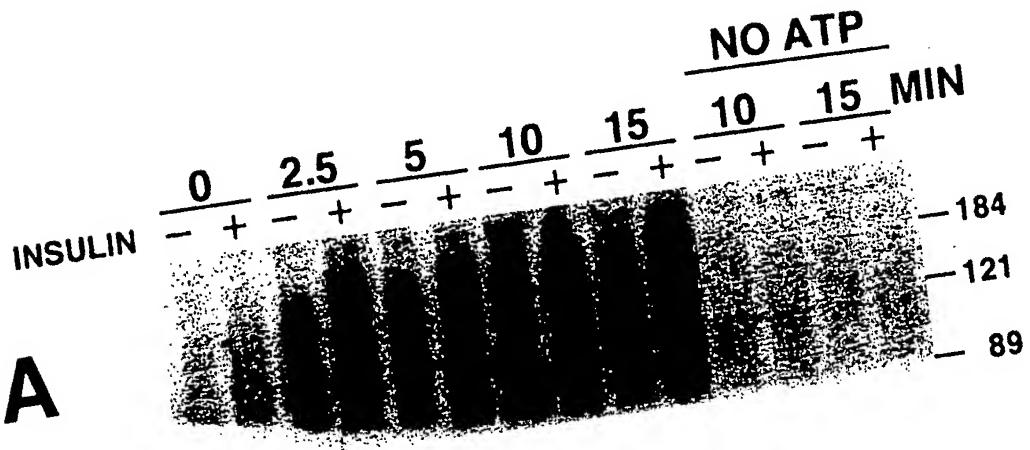
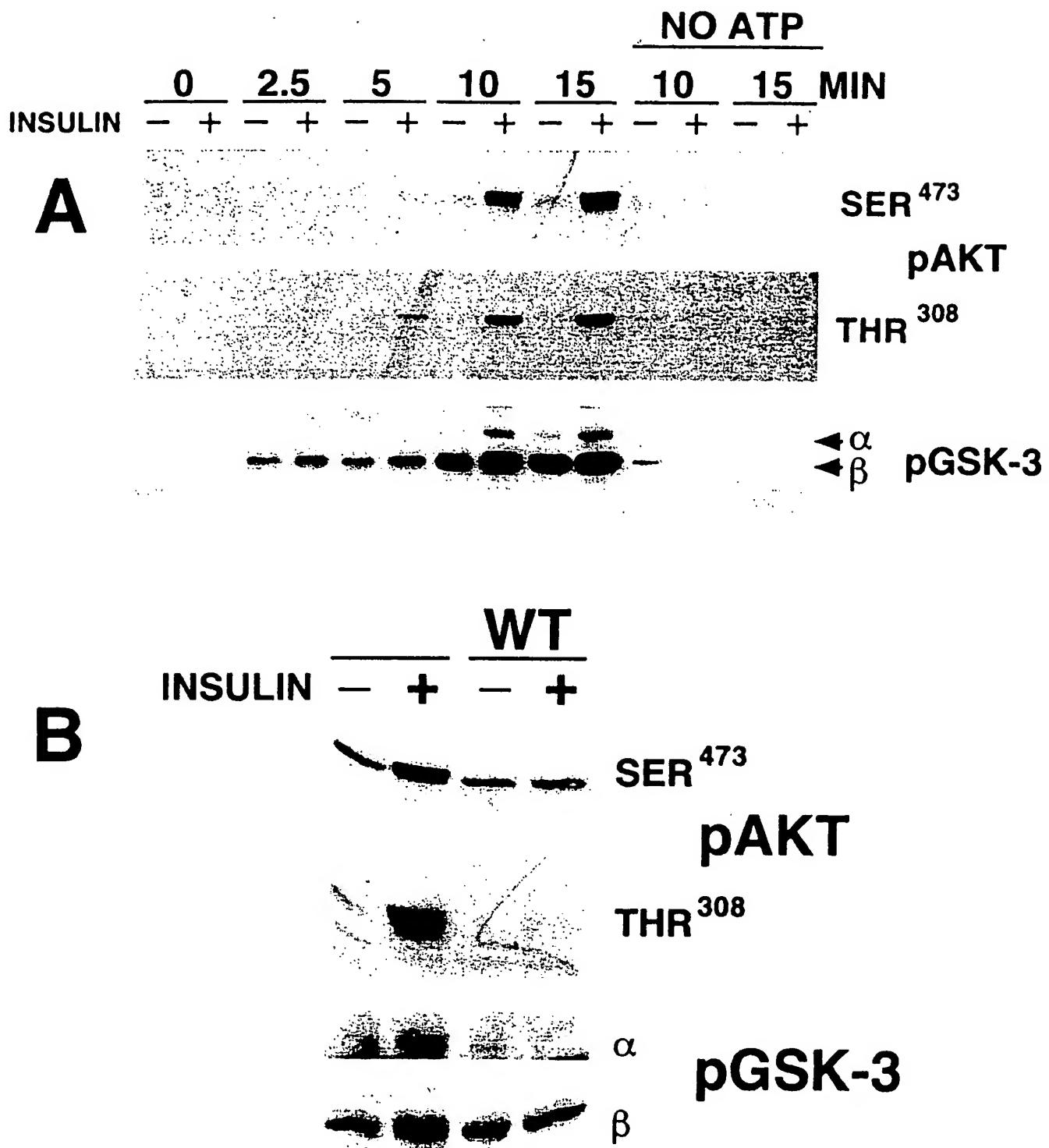


FIGURE 3

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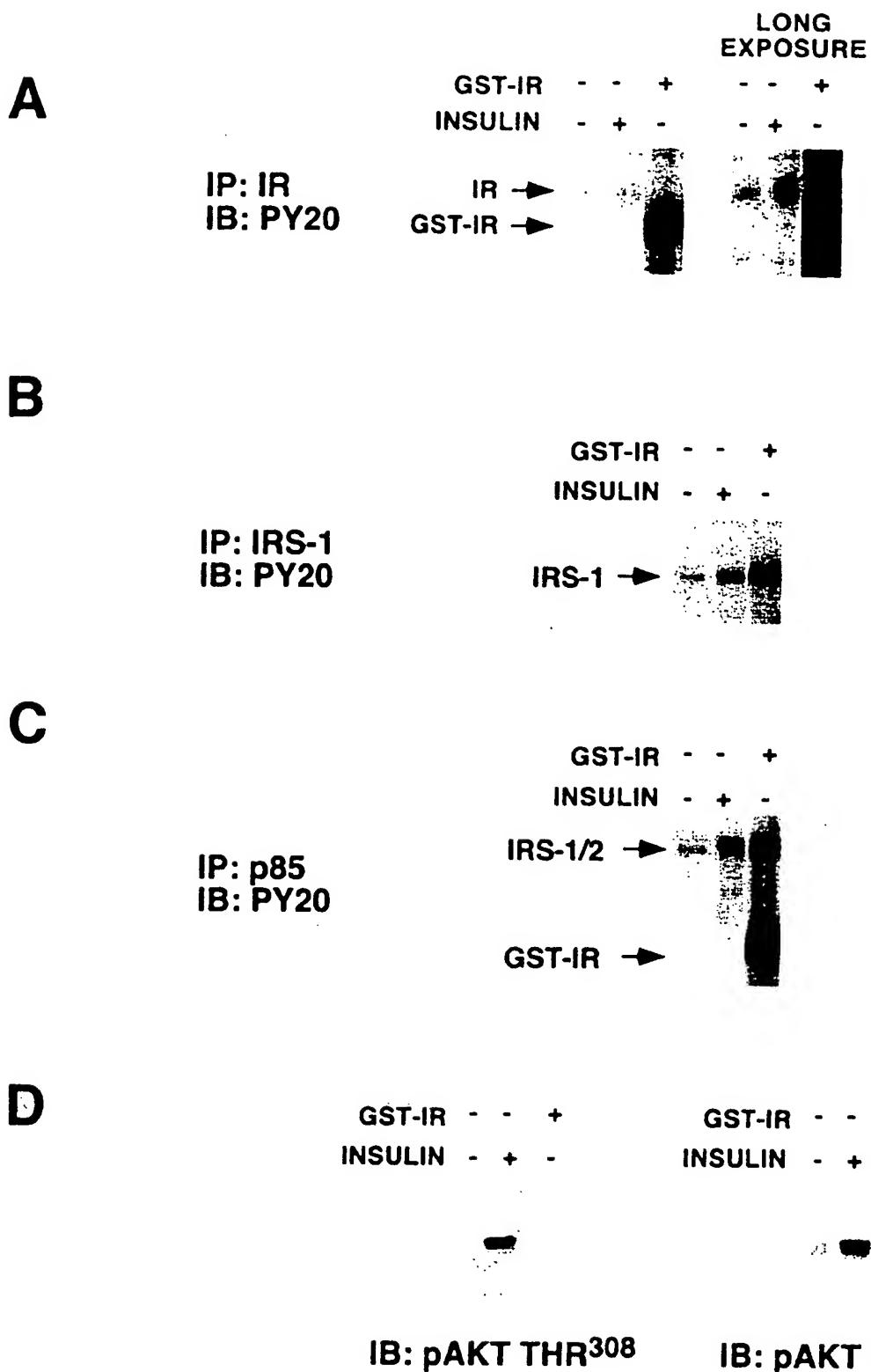
FIGURE 4



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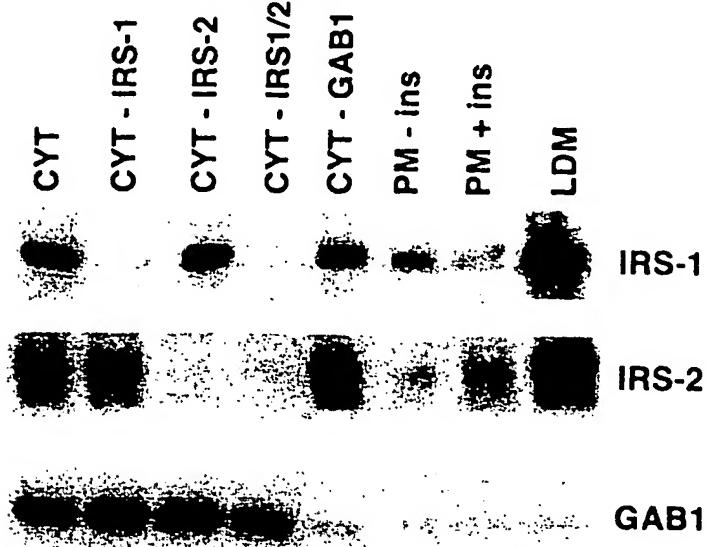
FIGURE 5



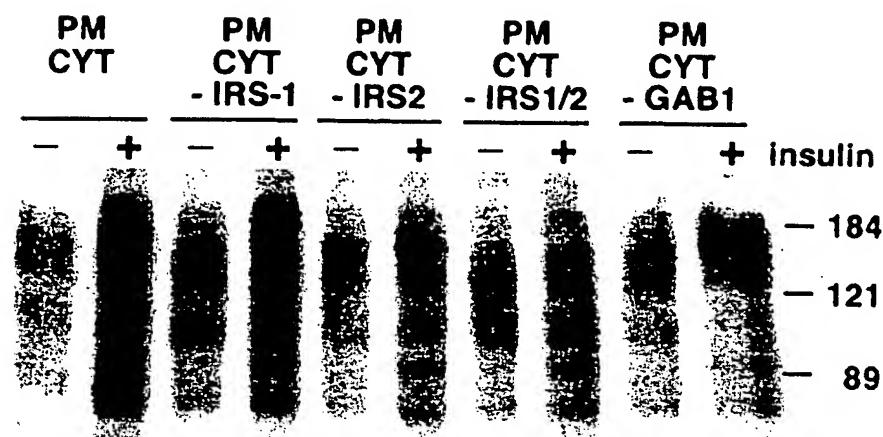
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A



B



C

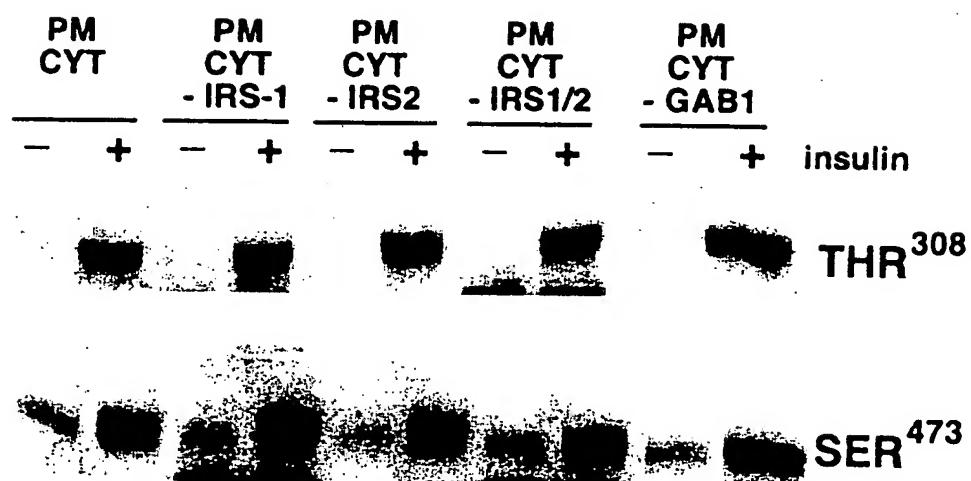


FIGURE 6

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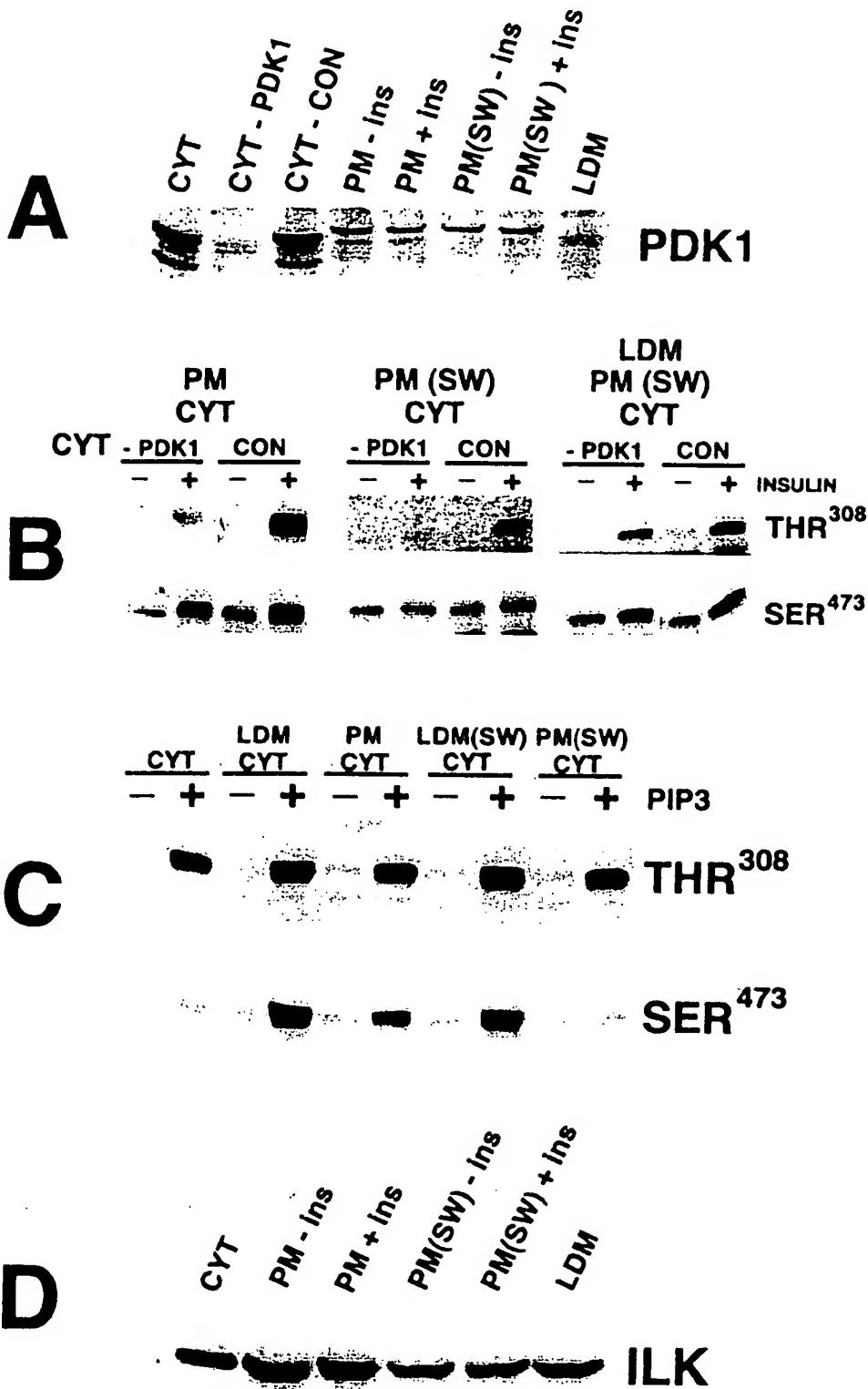


FIGURE 7

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THR³⁰⁸

SER⁴⁷³

INSULIN $\frac{KGlu}{- +}$ $\frac{KAc}{- +}$ $\frac{KCl}{- +}$ $\frac{NaCl}{- +}$



$\frac{KGlu}{- +}$ $\frac{KAc}{- +}$ $\frac{KCl}{- +}$ $\frac{NaCl}{- +}$



PIP3 $\frac{KGlu}{- +}$ $\frac{KAc}{- +}$ $\frac{KCl}{- +}$ $\frac{NaCl}{- +}$



$\frac{KGlu}{- +}$ $\frac{KAc}{- +}$ $\frac{KCl}{- +}$ $\frac{NaCl}{- +}$



FIGURE 8

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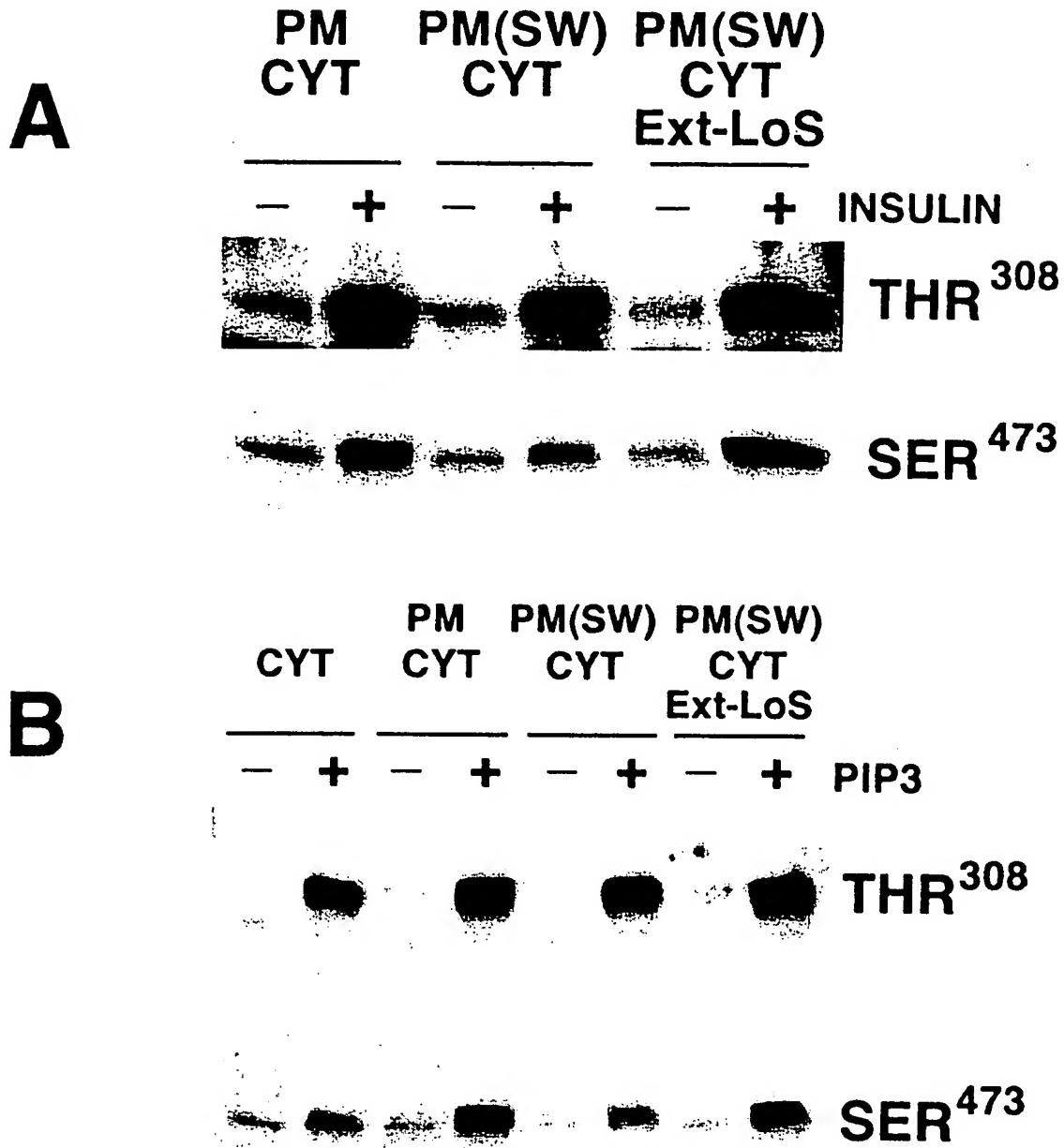
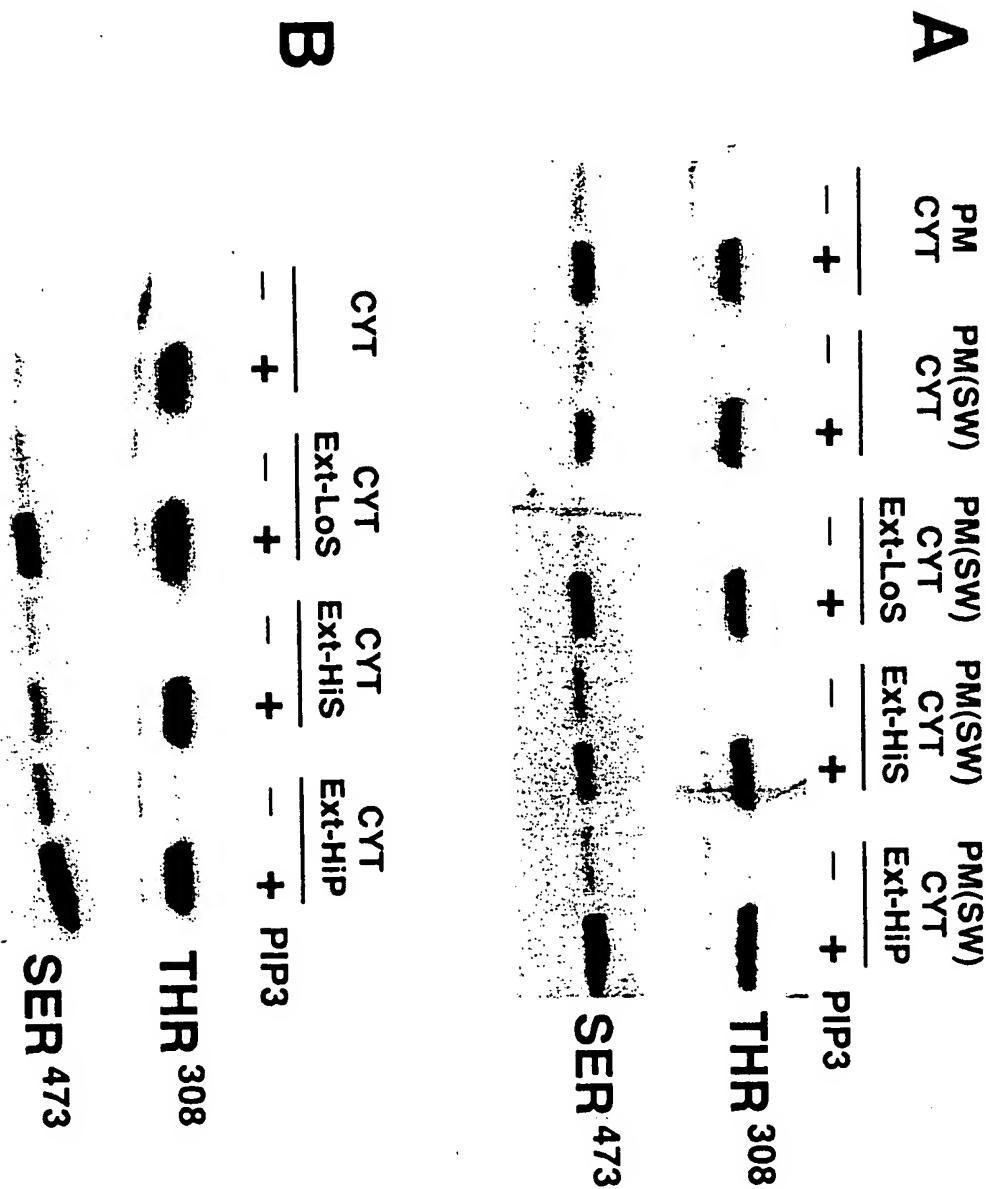


FIGURE 9

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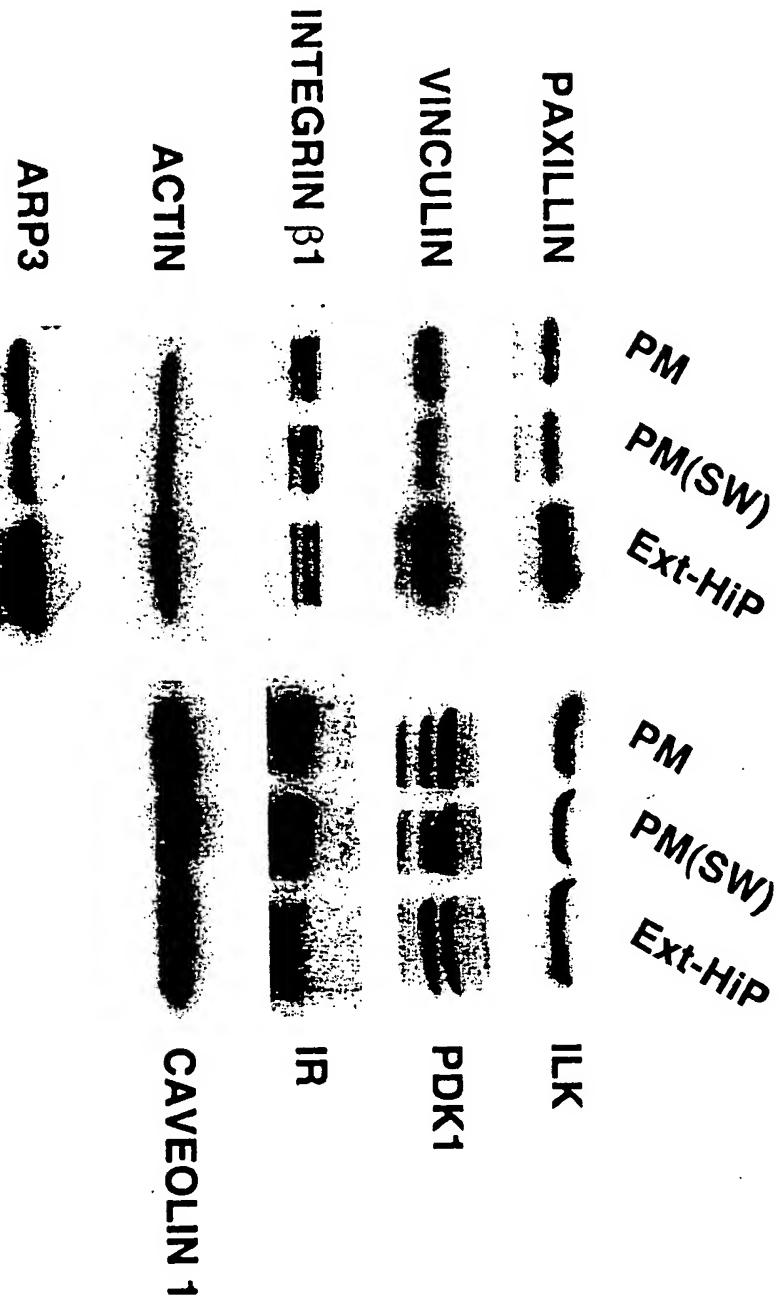
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FIGURE 11

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